PTO/SB/05 (03-01)

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UTILITY
PATENT APPLICATION
TRANSMITTAL

Attorney Docket No.	11090-064-999	Total Pag	$e^{Q}$				
First Named Inventor or Application Identifier							
Alexey V.Ustinov			⊃;				
				_			

(Only for new nonprovisional applications under 37 CFR 1.53(b))			Exp	ress Mail Label No.	EV 313 841 722	US	. (67	
APPLICATION ELEMENTS See MPEP chapters 600 concerning utility patent application contents.				Commissioner for Patents P.O. Box 1450 Mail Stop PATENT APPLICATION Alexandria, VA 22313-1450				
1. 🖾		smittal Form n original, and a duplicate for fee processing)	7. 🗖	CD-ROM or CD-R (Appendix)	in duplicate, large	table or Comp	uter Program	
2. 🔯	Applicant	claims Small Entity status, see 37 C.F.R. § 1.27	8. 🗖	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)				
3. 🛛	Specifica	tion (copy from parent application) [Total Pages 19]		a. Computer Readable Form (CRF)				
(preferred arrangement set forth below, MPEP 1503.01)  - Descriptive title of the Invention  - Cross Reference to Related Applications  - Statement Regarding Fed sponsored R&D  - Reference to Microfiche Appendix				b. □Specification Sequence Listing on:  i. □ CD-ROM or CD-R (2 copies); or  ii. □ paper  c. □Statement verifying identity of above copies				
	- Brief Su	ound of the Invention Immary of the Invention Escription of the Drawings (if filed)		ACCOMPAN	YING APPLICA	ATION PAI	RTS	
	- Detailed	Description of the Invention (including drawings, if filed)	9. 🛛	Assignment Pape	rs (cover sheet & do	ocument(s))		
		of the Disclosure	10. 🔯	37 CFR 3.73(b) S (when there is an		⊠ Power o	f Attorney	
4. 🛛	Drawing(	s) (35 USC 113) [Total Sheets 12]	11.	<del>-</del>	on Document (if app	•		
5. 🛛	Oath or D	Declaration [Total Sheets 2]	12. 🗵	Information Discl Statement (IDS)/I		☐ Copies Citation		
	a. 🔲	Newly executed (original or copy)	13. 🗵	Preliminary Amer	ndment			
	b. 🛛	Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	14.	Return Receipt Po	ostcard (MPEP 503)	)		
	i. 🗀	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the pri-	or 15.	5. Certified Copy of Priority Document(s) (if foreign priority is claimed)  Namualization Request under 25 IJS C 122 (b)(2)(i) Applicant				
		application, see 37 CFR 1.63(d)(2) and 1.33(b).	16.					
6. 🗆	Application	on Data Sheet. See 37 CFR 1.76	17.	Other:				
18. If a Co		NG APPLICATION, check appropriate box and supply the requ CFR 1.76:	isite inform	nation below and in a p	reliminary amendm	ent, or in an A	oplication	
☐ Contir	uation	☑ Divisional ☐ Continuation-in-part (CIP)   of pr	ior applica	ation No.: 10/117,696	filed April 4, 20	002.	ł	
Prior appli	cation infor	mation: Examiner: Sara W. Crane		Group Art U	Jnit: 2811		į	
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
		19. CORRESPOND	ENCE A	DDRESS	<del></del>			
	⊠ Custo	mer Number 24: Insert Cus			or 🗆 Corresp	pondence ado	iress below	
NAME								
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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	Prior application:		Examiner S	Sara W. Crane				
			Art Unit _2	811				
P.O. Bo Mail S	issioner for l ox 1450 top PATEN: idria, VA 22	Γ APPL						
Sir:								
pendin				g a   continuation		l application under 37 (	CFR §	1.53(b), of
of A	lexey V. Us	tinov						
· ·			(in	ventor(s) currently	of record in prior ap	plication)	-	
for	FLUXON I	NJECTI	ON INTO AN	INULAR JOSE	PHSON JUNCT	IONS		
				(title	of invention)			
	1.	<b>⊠</b> T	he filing fee is	s calculated belo	ow:			
			PA	TENT APPLIC	CATION FEE V	ALUE		
	TYPE		NO. FILED	LESS	EXTRA	EXTRA RATE		FEE
[	Total Clair	ns	10	- 20	0	\$18.00 each	\$	0.00
ļ	Independent		1	- 3	0	\$84.00 each		0.00
					Minimum Fee			750.00
			Multiple Dependency Fee If Applicable (\$280.00)				\$	0.00
				Total	_ <del></del>	750.00		
	Applicant qualifies for the 50% Reduction for Independent						Ψ	750.00
			Inventor, Nonprofit Organization or Small Business Concern					
			Inventor, 1	Nonprofit Organ			\$	375.00

Priority of application no. 60/283,477 filed on April 11, 2001 is claimed under 35 U.S.C.

 $\boxtimes$ 

§119.

5a.

#### PENNIE & EDMONDS LLP DOCKET NO 11090-064-999 5b. The certified copy has been filed in prior application no. , filed The prior application is assigned of record to D-Wave Systems, Inc. (copy enclosed). $\boxtimes$ 6. $\boxtimes$ A copy of the Declaration and Power of Attorney filed in the prior application no. 7a. 10/117,696, filed April 4, 2002, is enclosed. $\boxtimes$ 7b. A Transfer of Power of Attorney is enclosed. $\Box$ This application contains nucleic acid and/or amino acid sequences required to be disclosed 8. in a Sequence Listing under 37 CFR §§1.821-1.825. It is requested that the Sequence Listing in computer readable form from prior application no., filed on be made a part of the present application as provided for by 37 C.F.R. §1.821(e). The sequences disclosed therein are the same as the sequences disclosed in this application. A copy of the paper Sequence Listing from application no. is enclosed. The undersigned states, under 37 C.F.R. §1.821(f), that the content of the enclosed paper 9. Sequence Listing from application no. is the same as the content of the computer readable form submitted in application no. . DO NOT PUBLISH. I hereby certify that the invention disclosed in the attached 10. application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b). $\bowtie$ 11. Additional enclosures or instruction: 1. Please cancel claims 11-32. 2. Information Disclosure Statement and List of Reference Cited enclosed. 3. Copy of parent specification and drawings enclosed.

Gary S. Williams (Reg. PENNIE & EDMONDS LLP 3300 Hillview Avenue Palo Alto, California 94304

(650) 493-4935

Date September 26, 2003

31,066

(Reg. No.)

# POWER OF ATTORNEY BY ASSIGNEE REVOKING PREVIOUS POWERS OF RECORD AND CERTIFICATE UNDER 37 CFR 3.73(b)

To the Commissioner of Patents:

The undersigned assignee of the entire interest in application for letters patent entitled: <u>FLUXON INJECTION</u> INTO ANNULAR JOSEPHSON JUNCTIONS, Serial No. 10/117,696, Filed April 4, 2002, 2000, and having the named inventor(s): Alexey Ustinov hereby revokes all previous Powers of record and appoints the following attorneys to transact all business in the Patent Office connected therewith: Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), Ann L. Gisolfi (Reg. No. 31956), Todd A. Wagner (Reg. No. 35399), Scott B. Familant (Reg. No. 35514), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), Michael J. Lyons (Reg. No. 37386), Nikolaos C. George (Reg. No. 39201), Stephen S. Rabinowitz (Reg. No. 40286), Ognjan V. Shentov (Reg. No. 38051), Kenneth L. Stein (Reg. No. 38704), Nanda K. Alapati (Reg. No. 39,893), Andrew J. Gray (Reg. No. 41,796), Henry C. Lebowitz (Reg. No. 36,196) and Karen G. Horowitz (Reg. No. 35, 199), all of Pennic & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them its attorneys, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

In accordance with 37 CFR 3.73 the assignee hereby certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an Assignment from the inventor(s). Said assignment being filed together with this Power of Attorney with Revocation. The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified below.

\_at (650) 493-4935. Direct all telephone calls to GARY S. WILLIAMS

Address all correspondence to:

PENNIE & EDMONDS LLP 3300 Hillvew Avenue Palo Alto, California 94304

D-Wave Systems, Inc.

die

Signature:

Title:

Rose, President, CEO

Address:

Broadway, Suite 320

ncouver, B.C. V6J 4Y3 CANADA

Date:

September 10, 2002

File No. 11090-0037-999 (M-11584 US)

CA1 - 314256.1

## Express Mail No.: EL 451 598 751 US

Application of: ) Confirmation No.: 5526 Alexey V. Ustinov ) Group Art Unit: 1751 Application No.: 10/117,696 Examiner: To be determined Filed: April 4, 2002 ) Attorney Docket No.: For: FLUXON INJECTION INTO 11090-037-999 ANNULAR JOSEPHSON JUNCTIONS

### TRANSMITTAL OF POWER OF ATTORNEY BY ASSIGNEE

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

#### Enclosed are:

- 1. a Power of Attorney by Assignee Revoking Previous Powers of Record and Certificate Under 37 CFR 3.73(b) (in duplicate);
- Copy of Assignment executed by sole inventor, Alexey V. 2. Ustinov; and
- 3. Return Receipt Postcard.

Please change the attorney docket no. to 11090-037-999, and send all future correspondence for this application to:

> PENNIE & EDMONDS LLP 3300 Hillview Avenue Palo Alto, CA 94304

> > Respectfully submitted

October 31, 2002 Date:

31,066

s.

(Reg. No.)

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